

FIG.1

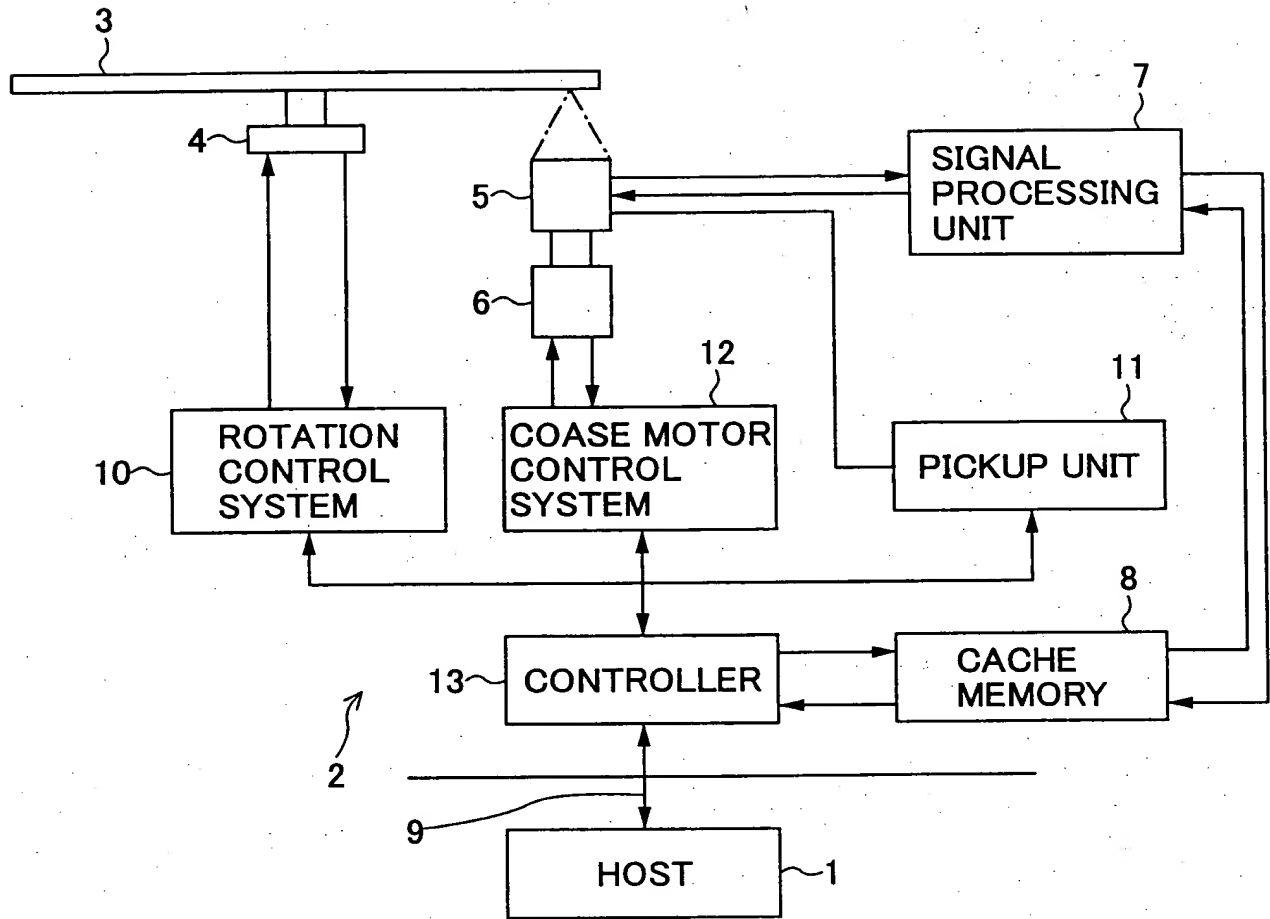
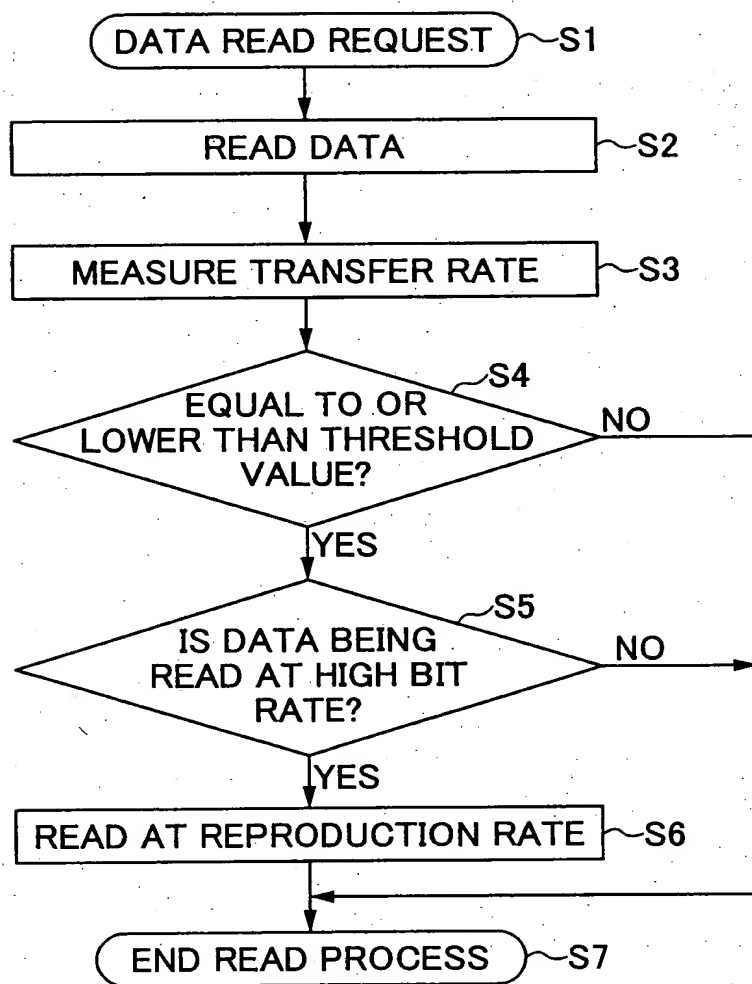


FIG.2



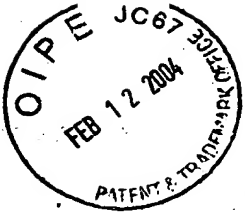
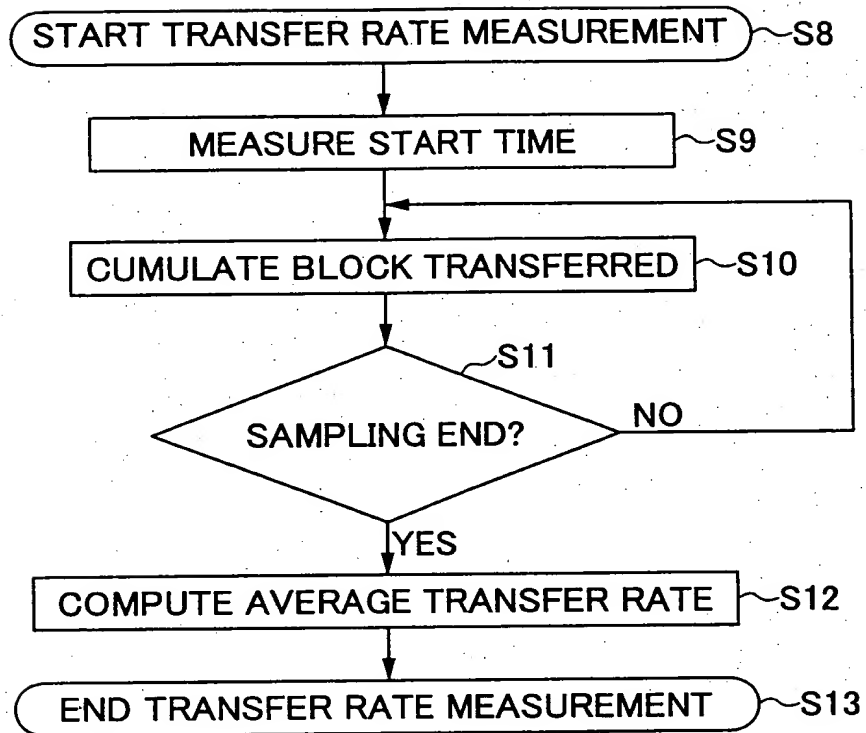


FIG.3



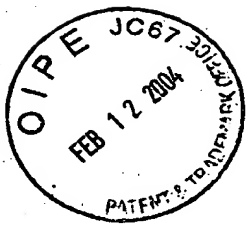
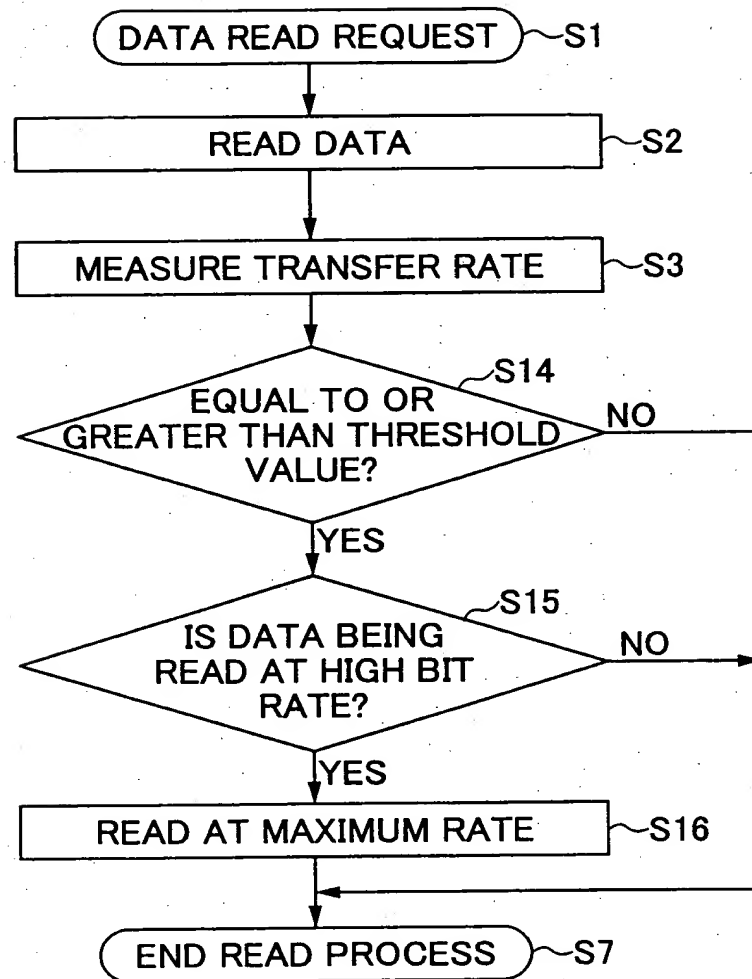


FIG.4



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graph TD
    S1([DATA READ REQUEST]) --> S2[READ DATA]
    S2 --> S3[MEASURE TRANSFER RATE]
    S3 --> S4{EQUAL TO OR LOWER THAN THRESHOLD VALUE?}
    S4 -- YES --> S5{IS DATA BEING READ AT HIGH BIT RATE?}
    S4 -- NO --> S15{IS DATA BEING READ AT REPRODUCTION RATE?}
    S5 -- YES --> S6[READ AT REPRODUCTION RATE]
    S5 -- NO --> S6
    S15 -- YES --> S16[READ AT MAXIMUM RATE]
    S15 -- NO --> S6
    S6 --> S7{READ PROCESS COMPLETED?}
    S7 -- YES --> S7([END READ PROCESS])
    S7 -- NO --> S3

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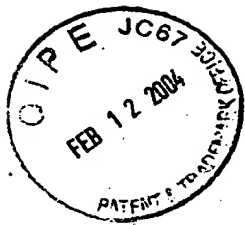
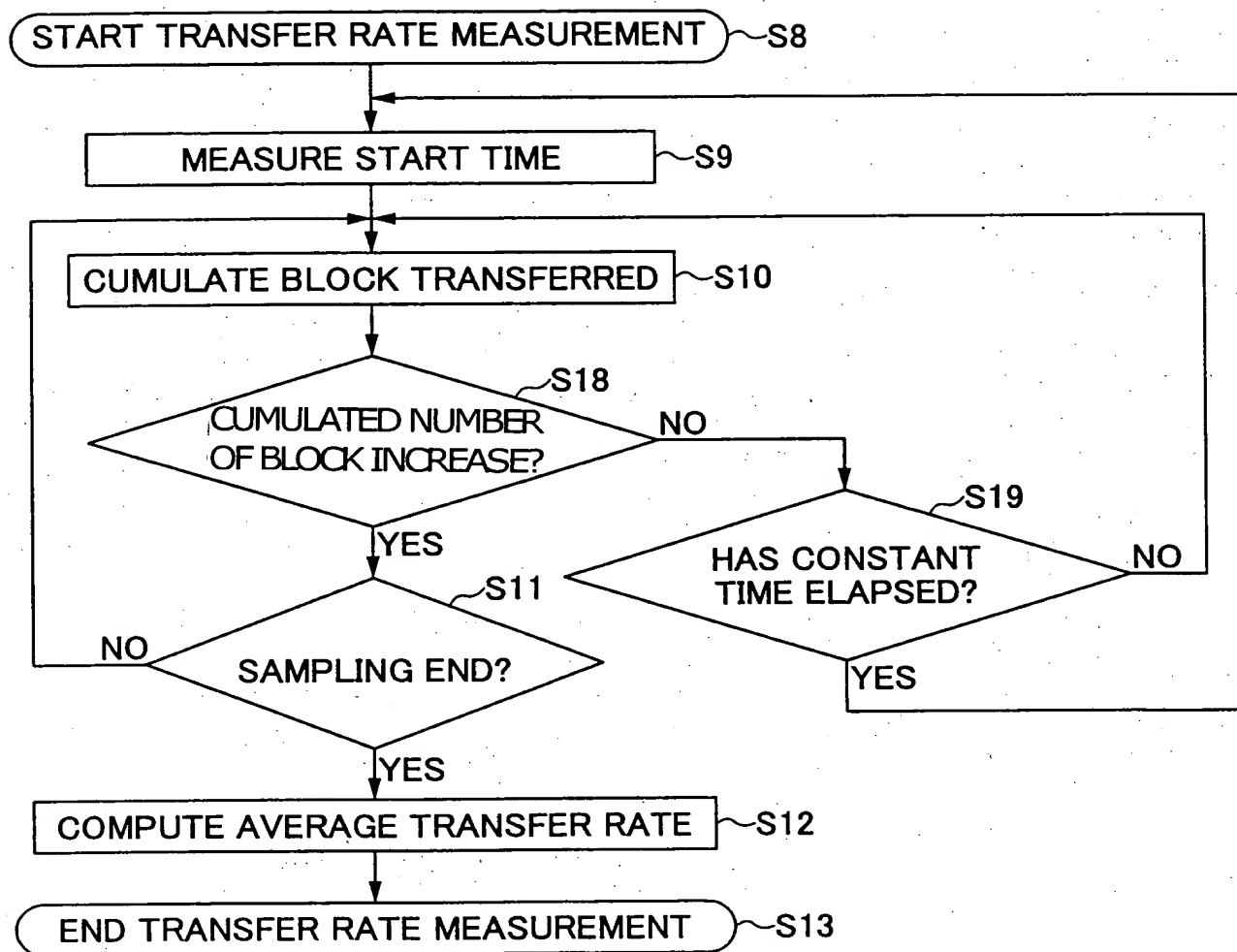


FIG.6



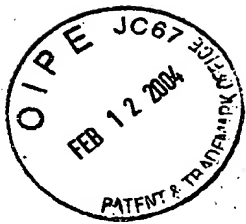
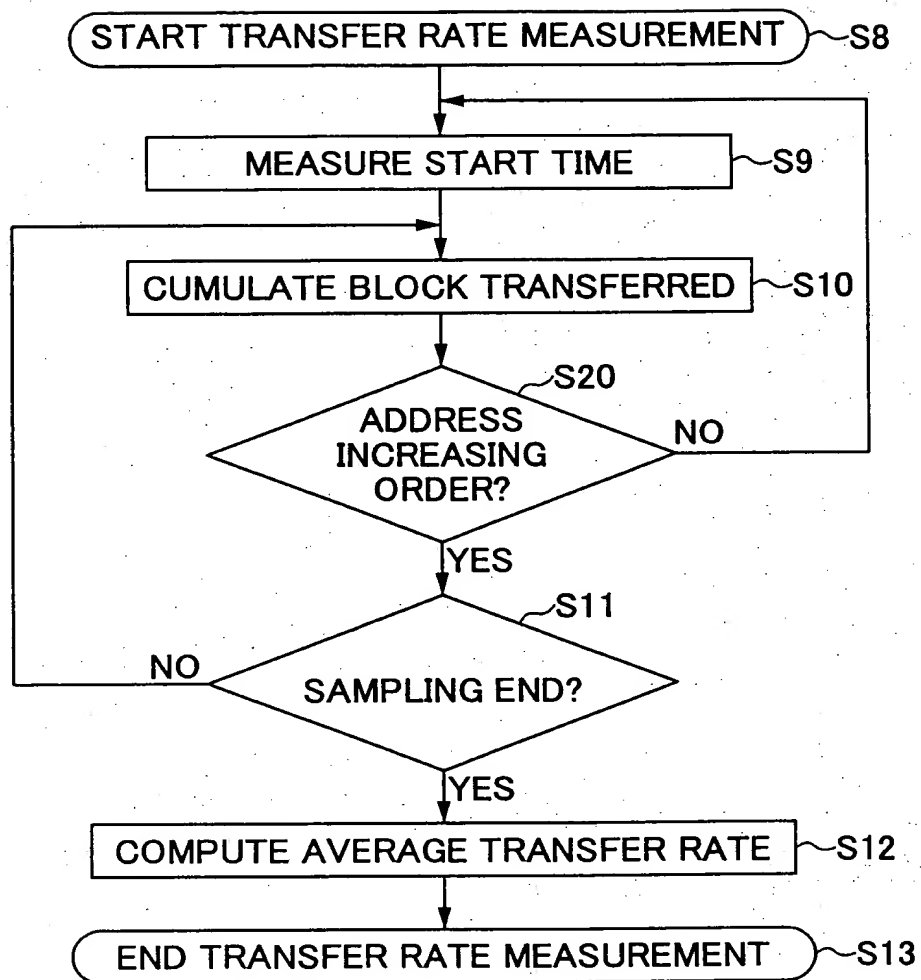


FIG.7



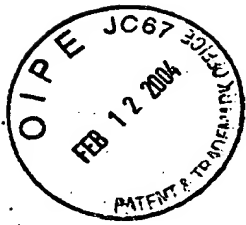
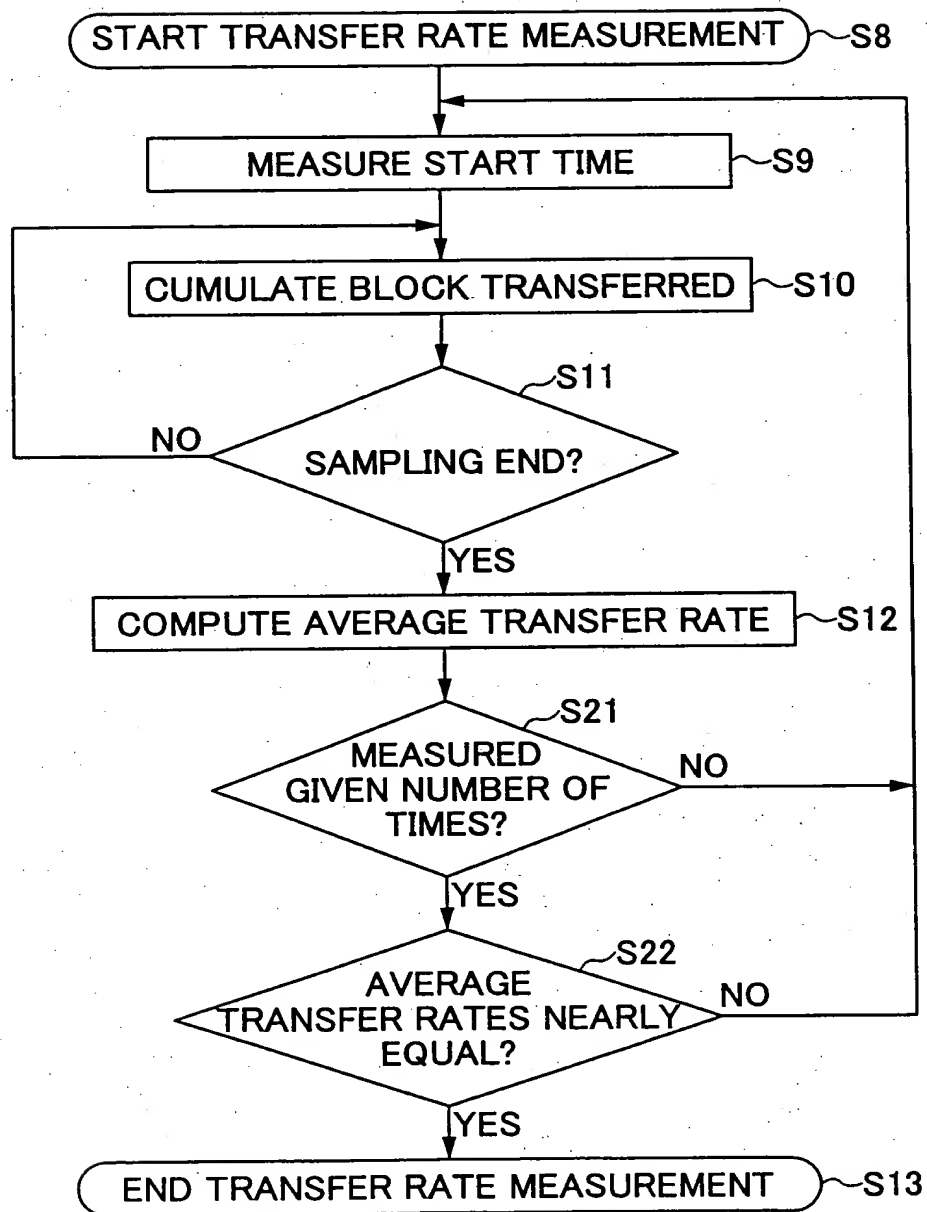


FIG.8



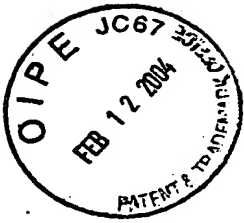


FIG.9

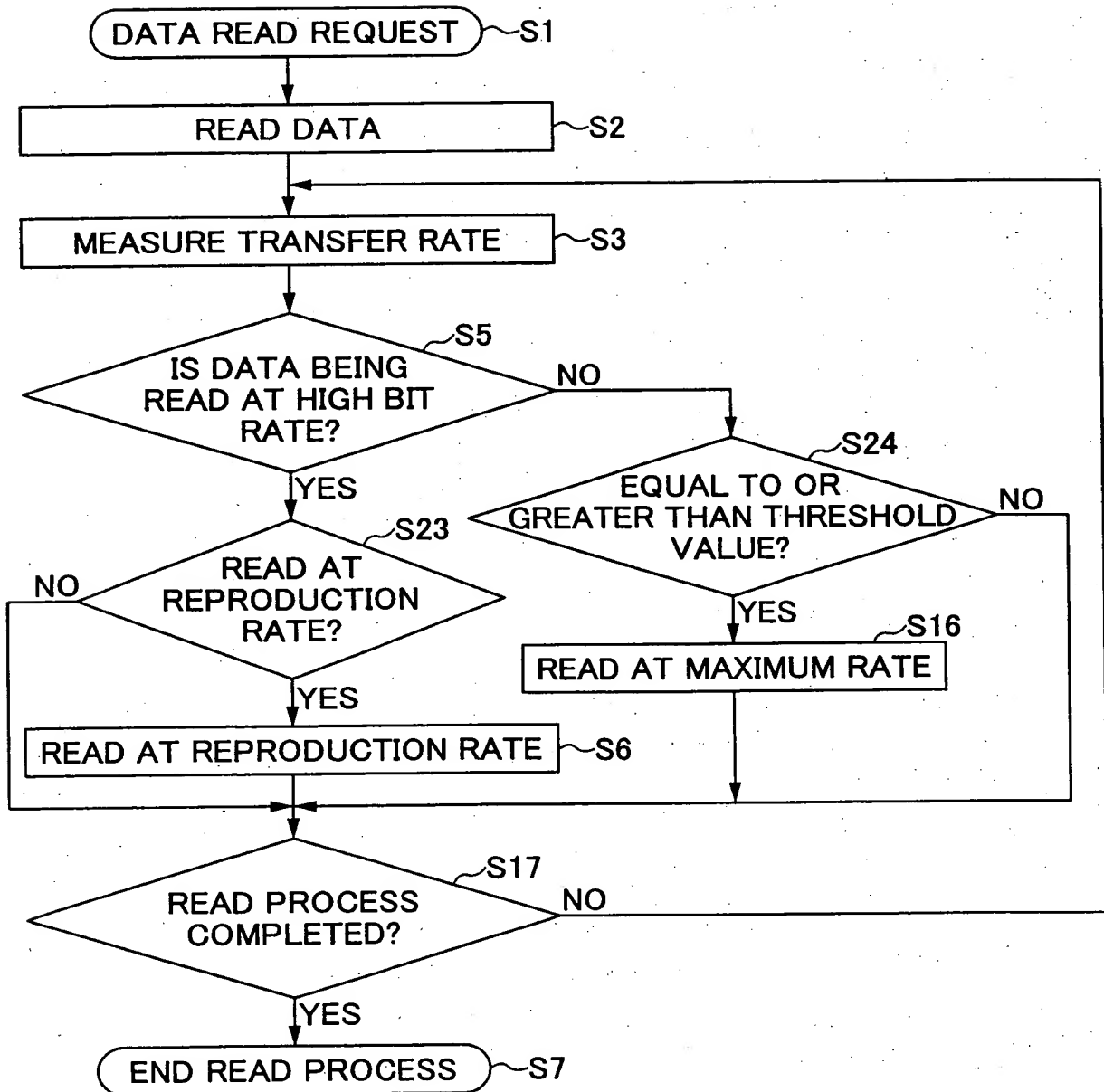


FIG.10

